

May 2013

# MICROGRAM BULLETIN

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## SELECTED REFERENCES

The Selected References section is a compilation of recent publications of presumed interest to forensic chemists. Unless otherwise stated, all listed citations are published in English. Abbreviated mailing address information duplicates that which is provided by the abstracting service. Patents and Proceedings are reported only by their Chemical Abstracts citation number. For full text copies of any of the articles listed, you may email the DEA Library at [dea.library@usdoj.gov](mailto:dea.library@usdoj.gov).

1. Angelov D, O'Brien J, Kavanagh P. **The syntheses of 1-(2-thienyl)-2-(methylamino) propane (methiopropamine) and its 3-thienyl isomer for use as reference standards.** Drug Testing and Analysis 2013;5(3):145-149. [Editor's Notes: Presents title study. Contact: Department of Pharmacology and Therapeutics, School of Medicine, Trinity Centre for Health Sciences, St James's Hospital, Dublin, Ireland.]
2. Edmunds R, Locos O, Brown D, and Reynolds D. **Identification of the synthetic cannabinoid (1-(cyclohexylmethyl)-1H-indol-3-yl) (4-methoxynaphthalen-1-yl)meth-anone on plant material.** Microgram Journal 2013;10(1): 3-7. [Editor's Notes: Presents title study. Contact: Illicit Drugs Section, Forensic Science Laboratory, ChemCentre, PO Box 1250, Bently WA 6893, Australia.]
3. Ginsburg BC, McMahon LR, Sanchez JJ, Javors MA. **Purity of synthetic cannabinoids sold online for recreational use.** Journal of Analytical Toxicology 2012;36(1):66-68. [Editor's Notes: Presents title study. Contact: Department of Psychiatry, The University of Texas Health Science Center, San Antonio, TX 78229, USA.]
4. Inagaki S, Hirashima H, Taniguchi S, Higashi T, Min JZ, Kikura-Hanajiri R, Goda Y, Toyooka T. **Rapid enantiomeric separation and simultaneous determination of phenethylamines by ultra high performance liquid chromatography with fluorescence and mass spectrometric detection: Application to the analysis of illicit drugs distributed in the Japanese market and biological samples.** Drug Testing and Analysis 2012;4(12):1001-1008. [Editor's Notes: Presents title study. Contact: University of Shizuoka, Laboratory of Analytical and Bio-Analytical Chemistry, School of Pharmaceutical Sciences, and Global COE Program, Japan.]
5. Maher HM, Awad T, DeRuiter J, Randall CC. **GC-MS and GC-IRD studies on brominated dimethoxyamphetamines: Regioisomers related to 4-Br-2,5-DMA (DOB).** Drug Testing and Analysis 2012;4(7-8):591-600. [Editor's Notes: Presents title study. Contact: Alexandria University, Department of Pharm-aceutical Analytical Chemistry, Alexandria, Egypt.]
6. Westphal F, Soennichsen FD, Thiemt S. **Identification of 1-butyl-3-(1-(4-methyl)naphthoyl) indole in a herbal mixture.** Forensic Science International 2012;215(1-3):8-13. [Editor's Notes: Presents title study. Contact: Section Narcotics/Toxicology, State Bureau of Criminal Investigation Schleswig-Holstein, 24116 Kiel, Germany.]

### Additional References of Possible Interest:

1. Broseus J, Debrus B, Delemont O, Rudaz S, Esseiva P. **Study of common database feeding with results coming from different analytical methods in the framework of illicit drugs chemical profiling.** Forensic Science International 2013, Ahead of Print, doi: 10.1016/j.forsciint.2013.02.040. [Editor's Notes: Presents title study. Contact: Institut de Police Scientifique, School of Criminal Sciences, University of Lausanne, Lausanne CH-1015, Switzerland.]
2. Dalglish JK, Wleklinski M, Shelley JT, Mulligan CC, Ouyang Z, Cooks RG. **Arrays**

**of low-temperature plasma probes for ambient ionization mass spectrometry.** Rapid Communications in Mass Spectrometry 2013; 27(1):135-142. [Editor's Notes: Presents title study. Contact: Department of Chemistry, Purdue University, West Lafayette, IN 47907-2084 USA.]

3. Pan Y, Treacy S, Gu X, Miller D, Burczynski F. **Evaluation and optimization of capillary zone electrophoresis for common drugs of forensic interest in aqueous matrix.** Journal - Canadian Society of Forensic Science 2012;45(4):167-175. [Editor's Notes: Presents title study. Contact: Forensic Science and Identification Services, National Forensic Services Winnipeg, Canada.]

## THE DEA STATE AND LOCAL FORENSIC CHEMISTS SEMINAR SCHEDULE

The schedule for the DEA State and Local Forensic Chemists Seminar is as follows:

**September 16 - 20, 2013**

**November 4 - 8, 2013**

The school is open only to forensic chemists working for law enforcement agencies. It is intended for chemists who have completed their agency's internal training program and have also been working on the bench for at least one year. There is no tuition charge. The course is held at the Hyatt Place Dulles North Hotel in Sterling, Virginia (near the Washington/Dulles International Airport). A copy of the application form is reproduced on the last page of this issue of Microgram Bulletin. Completed applications should be mailed to the Special Testing and Research Laboratory at 22624 Dulles Summit Court, Dulles, VA 20166. For additional information, send an email to: [DEA-Forensic.Chemist.Seminar@usdoj.gov](mailto:DEA-Forensic.Chemist.Seminar@usdoj.gov).

<b>DEA State and Local Forensic Chemist Seminar Application</b>			
Name: (PRINT NAME EXACTLY AS IT IS TO APPEAR ON CERTIFICATE)		Title:	
Employer:			
Your Office Mailing Address (include city, state, and zipcode):			Length of Service:
Business Telephone: (     )     -	Business Fax: (     )     -	Date of Application:	
Email Address:			
Education			
College or University	Degree	Major	
Please Check Which Techniques or Equipment Are Used in Your Laboratory			
<input type="checkbox"/>	Color Tests	<input type="checkbox"/>	UV
<input type="checkbox"/>	Column Chromatography	<input type="checkbox"/>	IR
<input type="checkbox"/>	Microcrystal Tests	<input type="checkbox"/>	CE
<input type="checkbox"/>	Thin Layer Chromatography	<input type="checkbox"/>	GC/MS
<input type="checkbox"/>	GC	<input type="checkbox"/>	Other (please specify)
<input type="checkbox"/>	HPLC	<input type="checkbox"/>	Other (please specify)
Indicate Analytical Problem(s) Nominee Would Like to Have Covered:			
Choice of Seminar Dates:			
1st Choice:		2nd Choice:	
Laboratory Chief/Director:			
Printed Name: _____		Signature: _____	
Title: _____		Date: _____	
Phone: _____			